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USSR Report

TRANSPORTATION

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USSR REPORT
TRANSPORTATION
(FOUO 5/80)

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AIR

NEW TEXTBOOK ON CIVIL AIRPORTS, THEIR OPERATION

Moscow AEROPORTY I IKH EKSPLOATATSIYA in Russian 1980 pp 2, 119, 120

Annotation and table of contents of the book "Aeroporty i ikh ekspluatatsiya"
Airports and Their Operation/ by Gennadiy Ivanovich Petukhov, Izdatel'stvo
 Transport, Moscow, 1980, 4,500 copies, 120 pages/

Text/ Petukhov, G. I. "Aeroporty i ikh ekspluatatsiya": A textbook for civil
 aviation schools. Moscow, Transport, 1980, 120 pages.

The textbook provides general information on airports, their classification and principles of planning. The arrangement of an airport is examined (runways, taxi strips, ramps and aircraft parking areas), as well as the service and technical area as a whole, with a detailed description of the air terminal complex and the cargo warehouses. Fundamental aspects of an airport's technical operation and the service and technical area are noted. Basic concepts of aviation meteorology and air traffic control are provided.

The book is intended as a textbook for students of aviation technical schools in civil aviation who are being trained in the specialty "Organization of aviation transportation" (1625). It may be used by engineering and technical personnel of the transportation organization service in aviation detachments.

Sixty illustrations, 11 tables.

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MOTOR VEHICLE

MOTOR VEHICLE MAINTENANCE AND REPAIR

Moscow ORGANIZATSIYA TEKHNIЧЕСКОГО OBSLUZHIVANIYA I REMONTA AVTOMOBILEY in Russian
1979 pp 2, 214-215

[Annotation and table of contents from the book "Organization of Motor Vehicle Maintenance and Repair Work" by V. P. Kartashov and V. M. Mal'tsev, Izdatel'stvo Transport, 215 pages]

[Text] The book describes the results of research, industrial design work and experience in the organization of vehicle maintenance and repair at motor transport enterprises.

Treated in detail are the technical and economic indicators and the prerequisite conditions for organizing garage operations; organizational forms for individual types of maintenance work and routine repair, and also comprehensive methods for their performance under various conditions in motor transport enterprises. Special attention is paid to the economic prerequisites and experience needed in centralizing maintenance operations.

Summarized briefly are problems associated with production management and computer-assisted maintenance planning.

The book is intended for engineering and technical personnel in motor transport enterprises.

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MOTOR VEHICLE

MULTIPLE-AXLE VEHICLE DESIGN THEORY

Moscow MNOGOOSNYYE AVTOMOBILI: TEORIYA OBSHCHIKH KONSTRUKTIVNYKH RESHENIY in Russian 1980 pp 2, 206-207

[Annotation and table of contents from the book "Multiple-axle Motor Vehicles: Theory of General Design Solutions" by P. V. Aksenov, Izdatel'stvo Mashinostroyeniye, 207 pages]

[Text] The book includes a classification of multiple-axle vehicles, and the principles governing their dynamics and statics are considered. Cited in assessing vehicle design are the quantitative and qualitative characteristics of the relationships between the integral design subsystem and the elements of the subsystem of performance characteristics determined by load capacity, vibrations, chassis and transmission load, stability, handling ability and roadability. Descriptions of nonstandard test equipment and instruments are provided.

The book is intended for engineering and technical personnel engaged in the design, study, testing and operation of multiple-axle vehicles.

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RAILROAD

RAILROAD CONSTRUCTION COSTS ANALYZED IN BOOK

Moscow ANALIZ SMETNOY STOIMOSTI STROITEL'STVA ZHELEZNYKH DOROG in Russian
1980 pp 2, 158-159

[Annotation and table of contents from B. A. Volkov and A. D. Larionov's
book: "Estimated Cost of Construction of Railroads"]

[Text] Volkov, B. A. and Larionov, A. D. "An Analysis of the Estimated
Cost of Construction of Railroads"--Moscow, Transport, 1980--159 pp.

The book reviews the indicators which describe the route and the areas for
the construction of railroads and the factors which influence the estimated
cost. It delineates the methods of predicting this cost and the methods of
evaluating the estimated cost on the basis of the standard indicators. It
also sets forth the statistical methods of evaluating the level of the esti-
mated cost and it points out the ways of reducing the estimated cost of the
construction of new railroads.

The book is designed for the engineering and technical workers who are con-
cerned with the planning and construction of railroads and for the scientific
workers and students of the railroad transport VUZ's.

Illustrations--19, tables--43, bibliography items--48.

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OCEAN AND RIVER

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ORGANIZATION, PLANNING OF MERCHANT MARINE OPERATIONS

Moscow ORGANIZATSIYA I PLANIROVANIYE RABOTY MORSKOGO FLOTA in Russian 1979
signed to press 8 Oct 79 pp 2, 412-416

[Annotation and Table of Contents of the textbook for maritime transport institutions of learning by P. R. Dubinskiy, O. T. Kondrashikhin, V. S. Petukhov and A. A. Soyuzov, under the general editorship of Doctor of Technical Sciences and Prof A. A. Soyuzov, Transport, 5,000 copies, 426 pages]

[Text] The book examines the structure and operations of a maritime navigation company as a state socialist enterprise, it describes the present physical plant of the merchant marine, the production and technological processes in maritime shipping and the technical and economic indicators of fleet operations. It takes up the questions of operational planning and the organization of the operations of the cargo and passenger fleet, operational management, accounting and analysis of fleet operations, the methods of solving and the practical problems in the operational-economic background studies for organizing sea shipments and the types of maritime transport vessels.

The book is designed as a textbook for students in the operational specialty of the higher maritime schools, but can also be used by engineers and technicians of navigation companies and ports in their practical activities.

120 illus., 29 tables, 29 references.

The authors are grateful for the help and participation in preparing the book's materials to the collective of the chair for the organization of maritime shipments of the Odessa Institute of Merchant Marine Engineers and the operational workers from the Black Sea Maritime Navigation Company.

The Introduction was written by P. R. Dubinskiy and A. A. Soyuzov; the first section by P. R. Dubinskiy; Sections 2 and 6 by A. A. Soyuzov; §3 by O. T. Kondrashikhin and A. A. Soyuzov; §4 by V. S. Petukhov; §5 by P. R. Dubinskiy, O. T. Kondrashikhin and A. A. Soyuzov.

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CARGO SHIPPING ON HORIZONTAL-LOADING VESSELS

Moscow PEREVOZKA GRUZOV NA SUDAKH S GORIZONTAL'NOY PROGRUZHKOY in Russian
1979 pp 2, 151

[Annotation and Table of Contents of the book by G. G. Sedov and V. I. Snopkov, Transport, 151 pages]

[Text] The book reviews the transport and technical systems for transporting general cargo in consolidated areas. The characteristics and classification are given for the consolidated cargo areas and the principles for forming them. Types of vessels are shown with the horizontal method of loading and unloading cargo as well as the special equipment of these vessels.

The book is designed for the crew of transport vessels and the workers of navigation companies and ports, and can also be useful to cargo shippers and recipients.

53 Illus., 26 tables, Bibliography, 16 citations.

The Introduction, Chapters 1, 2, 3 and §4.1 and 4.2 were written by V. I. Snopkov, §4.3 jointly by V. I. Snopkov and B. P. Znamerovskiy, Chapters 5 and 6 by G. G. Sedov, and Chapter 7 jointly by E. L. Limonov and G. L. Plotinin.

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